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DOCUMENT-IDENTIFIER: [REDACTED]

TITLE: AUTHENTICATION SYSTEM USING IC CARD AND IC CARD

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ABSTRACT:

PROBLEM TO BE SOLVED: To authenticate also a true owner of an IC card when authenticating a specific system by the IC card.

SOLUTION: The [REDACTED] information of IC [REDACTED] each of non-contact type and the [REDACTED] information of a true owner of the IC card has been registered in a database 2 as [REDACTED] card information 2a and [REDACTED] fingerprint information 2b. When a user of the non-contact IC card 4 puts the IC card 4 on a non-contact reader/writer 3 and touches a fingerprint input means of the IC card 4 with a finger, the fingerprint information is read out by the IC card 4 and the fingerprint information and the card information 4e are read out together by a server 1 through the non-contact reader/writer 3. The server 1 confirms whether the [REDACTED] information 4e has been registered as the registered information 2a or not to authenticate the IC [REDACTED] 4, and when the IC [REDACTED] 4 is authenticated, confirms whether the [REDACTED] information has been [REDACTED] [REDACTED] information 2b or not to authenticate the [REDACTED] user.

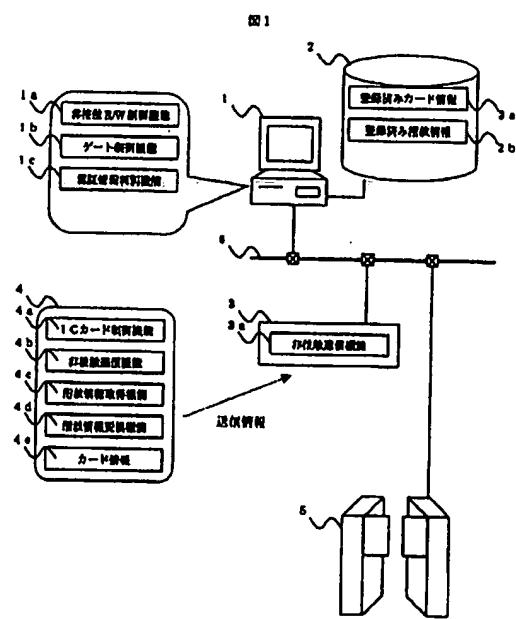
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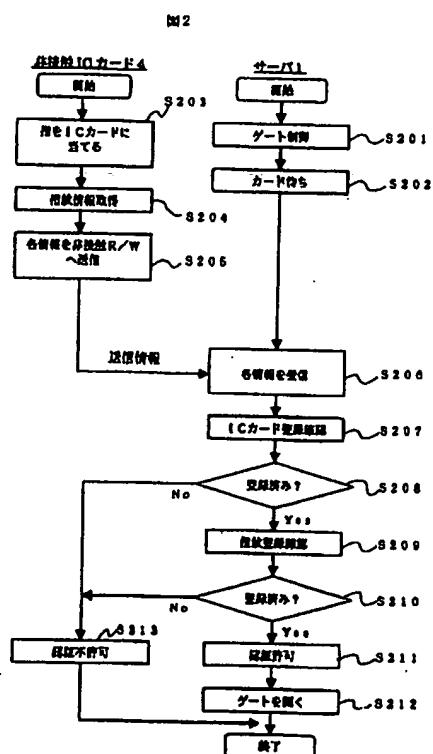
- 5 ゲート
 6 ネットワーク
 7 POS端末
 7 a 電子マネー処理機能
 8 ICカード読み書き装置
 8 a 指紋情報取得機能
 8 b 指紋情報変換機能
 8 c ICカード通信機能
 8 d 非接触通信機能
 9 接触ICカード
 9 a ICカード制御機能
 9 b カード情報
 9 c 接触通信機能

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【図1】

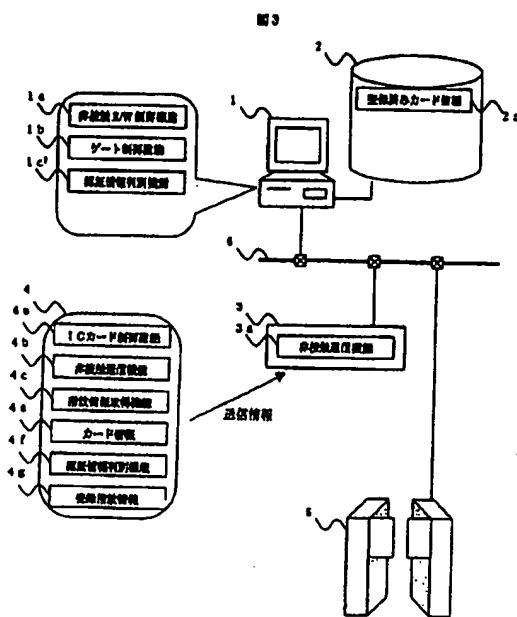


【図2】

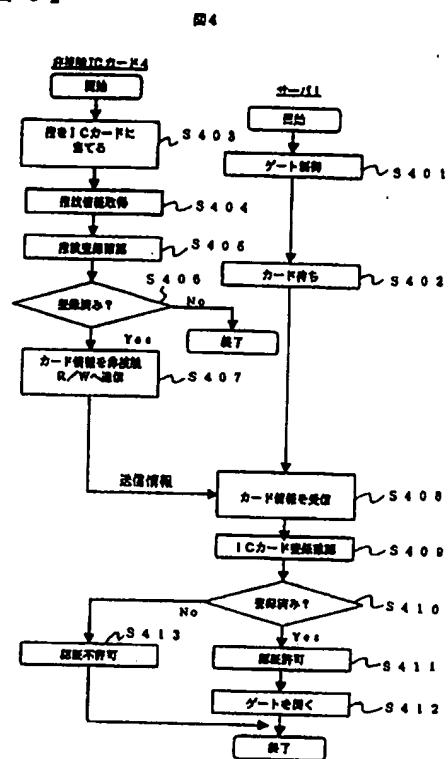


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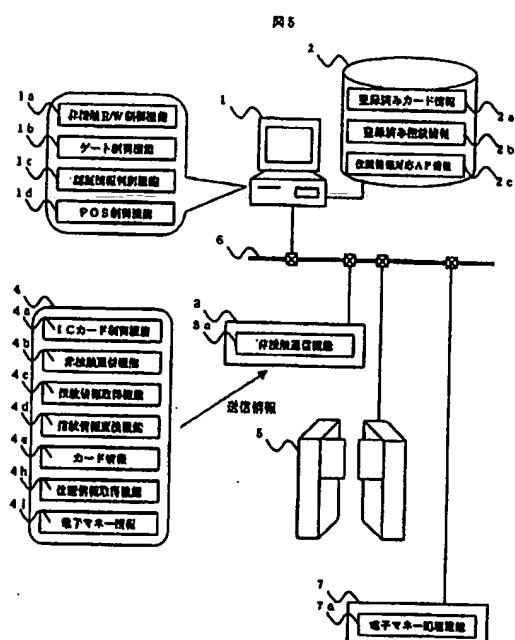
【図 3】



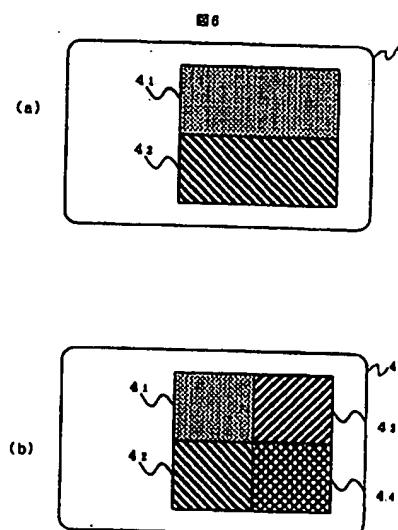
【図 4】



【図 5】

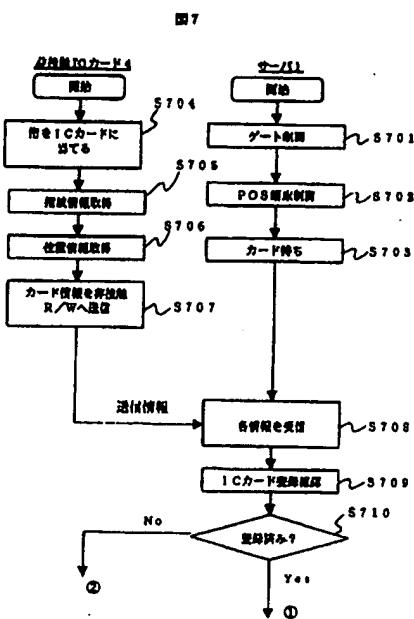


【図 6】

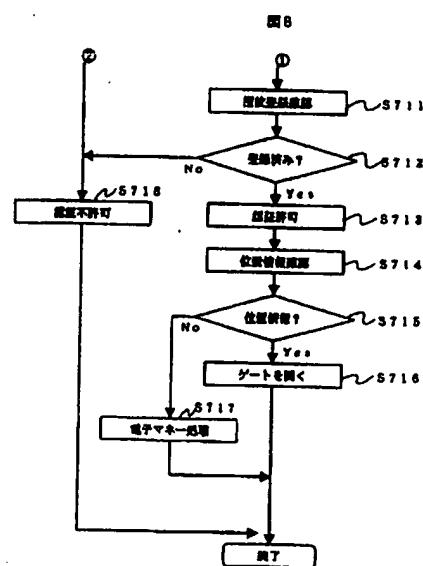


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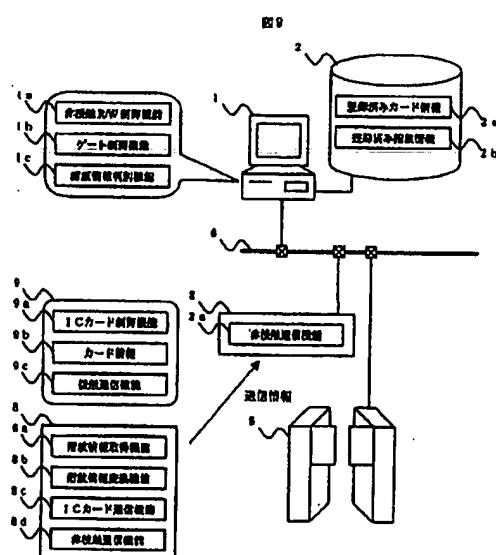
[圖 7]



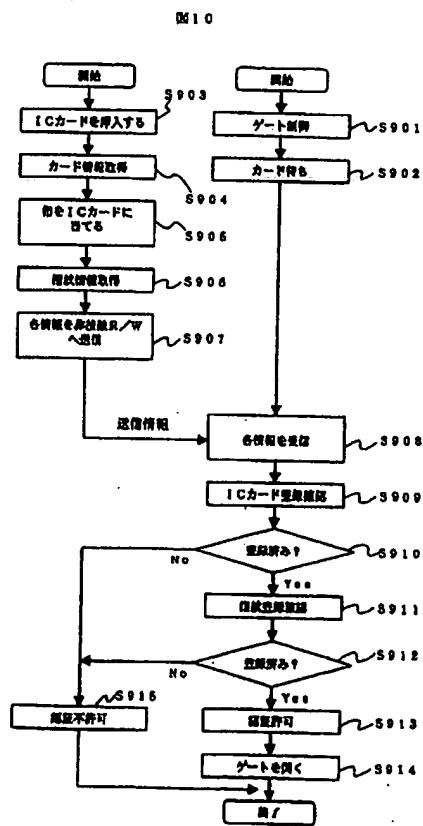
[図 8]



[圖 9]



【図10】



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